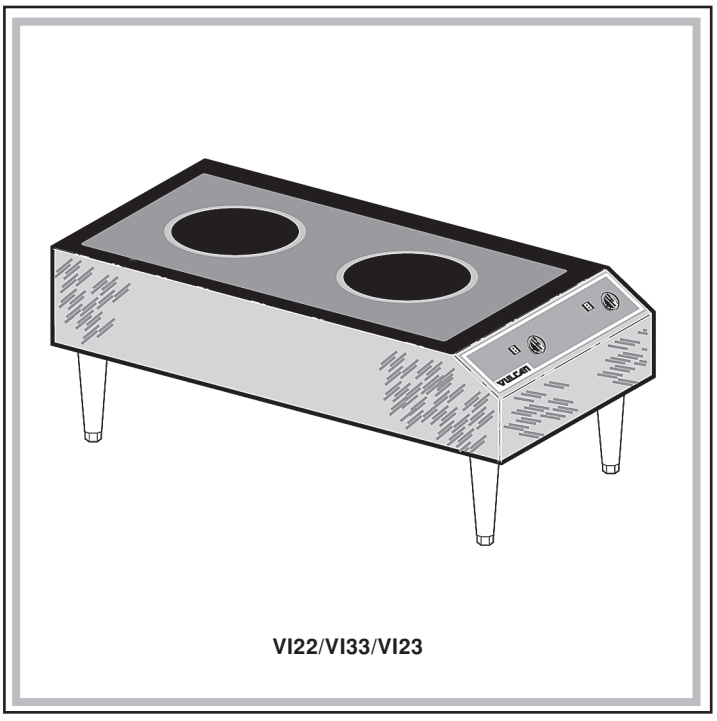
VULCAN

INSTALLATION & OPERATION MANUAL

VI2, 3, 22, 33, & 23 INDUCTION COOKTOPS

MODELS

VI2	*ML-114708*	*Single 2.2KW*
VI3	*ML-114709*	*Single 3KW*
VI22	*ML-114710*	*Double 4.4KW*
VI33	*ML-114711*	*Double 6KW*
VI23	*ML-114712*	*Double 5.2KW*



VI22/VI33/VI23

VULCAN-HART COMPANY, P.O. BOX 696, LOUISVILLE, KY 40201-0696, TEL. (502) 778-2791

FORM 30989 Rev. B (5-98)

Installation, Operation and Care of MODEL VI2, VI3, VI22, VI33, VI23 INDUCTION COOKTOPS

PLEASE KEEP THIS MANUAL FOR FUTURE USE

GENERAL

The induction cooktop will not heat the way a resistance heater conducts heat to the pan. A magnetic induction coil is underneath the ceramic top. This coil creates a magnetic field (Fig. 1) that requires a pan to complete the magnetic loop. If the pan is not present, the cooktop stays in a "cool" ready state without using much current. It is necessary to use iron or steel pans, or special pans designed for induction use, to complete the magnetic loop. Ceramic, glass, copper, pottery, and some stainless steel pans will not complete the magnetic loop and; therefore, will not heat properly, and should not be used.

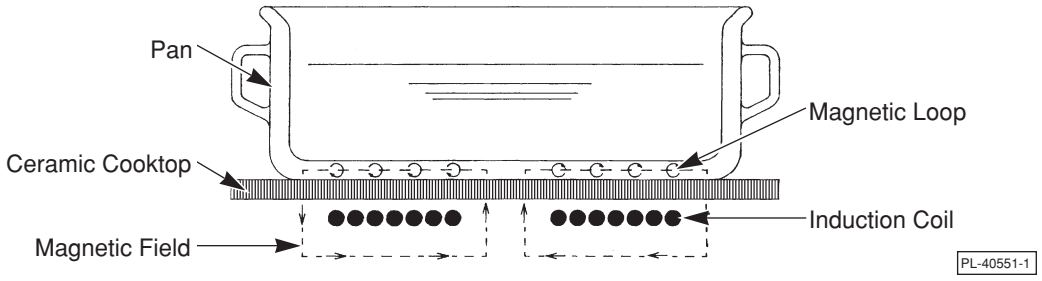


Fig. 1

Because of the magnetic field, certain precautions are necessary:

- **The ceramic top will be hot after use by conduction from the pan — do not touch when hot.**
- Do not drop heavy objects on the cooktop — the ceramic top can break.
- Do not use a cooktop if the ceramic top is broken. Replace the top.
- Do not place paper or cloth underneath the pan — it could burn.
- Do not cook with an empty pan — this could damage the pan or make it too hot to handle.
- Do not obstruct the flow of air to the filter underneath or out the rear louvers.
- Do not place the cooktop near radio, TV, or remote controlled equipment — this could cause interference.
- Place the pan in the middle of the cooktop — heating shuts down if the pan is not detected.
- Do not place anything other than the usual pan **(with contents)** on the cooktop. Do not place metal items such as aluminum foil, metal cans, or knives, forks, or spoons on the cooktop. They may conduct heat and be too hot to pick up, or they may short out the indicator.
- Do not leave unattended while frying — a small amount of oil can overheat or flame.
- Keep magnetic items such as computer disks, magnetic tapes or cassettes, credit cards or magnetic tickets or hotel passkeys away from the cooktop — they could be damaged.

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INSTALLATION

Before installing, verify that the electrical supply agrees with the specifications on the data plate located on the bottom of the cooktop.

UNPACKING

Immediately after unpacking, check for possible shipping damage, if the cooktop is found to be damaged, save the packaging material and contact your carrier within 15 days of delivery.

CLEARANCE AND LOCATION INFORMATION

All models require unrestricted air ventilation for proper operation of the controls. The maximum intake air temperature must not exceed 110°F (43.3°C) and the maximum exhaust temperature must not exceed 130°F (54.4°C).

The maximum air temperatures are measured including the operation of all the other appliances in the kitchen. **DO NOT** place induction cooktops over ovens.

- Countertop models require a minimum clearance of 4" (101.6mm) at the rear and 1" (25.4mm) at the bottom.
- Cooktops installed in an enclosure require unrestricted air ventilation for proper operation of the controls. Contact your Vulcan-Hart Customer Service Representative for specific information.

INSTALLATION CODES AND STANDARDS

The cooktop must be installed in accordance with:

In the United States of America:

1. State and local codes.

2. National Electrical Code, ANSI/NFPA No. 70 (latest edition). Copies may be obtained from The National Fire Protection Association, Batterymarch Park, Quincy, MA 02269.

3. NFPA Standard #96, "Vapor Removal from Cooking Equipment," (latest edition), available from The National Fire Protection Association, Batterymarch Park, Quincy, MA 02269.

In Canada:

1. Local codes.

2. Canadian Electrical Code, CSA C22.2 No. 3 (latest edition). Copies may be obtained from The Canadian Standard Association, 178 Rexdale Blvd., Etobicoke, Ontario, Canada M9W1R3.

LEVELING

Using a spirit level, level the appliance by turning the leveling feet in or out.

EXHAUST HOOD

An exhaust system (if required) should be located directly above the cooktop to exhaust steam and heat generated during cooking. Refer to NFPA standard #96.

ELECTRICAL CONNECTIONS

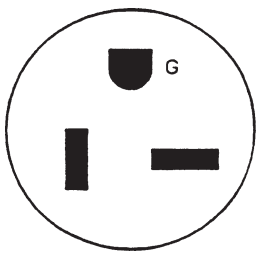
WARNING: ELECTRICAL AND GROUNDING CONNECTIONS MUST COMPLY WITH THE APPLICABLE PORTIONS OF THE NATIONAL ELECTRICAL CODE AND/OR OTHER LOCAL ELECTRICAL CODES.

WARNING: DISCONNECT ELECTRICAL POWER SUPPLY AND PLACE A TAG AT THE DISCONNECT SWITCH TO INDICATE YOU ARE WORKING ON THE CIRCUIT.

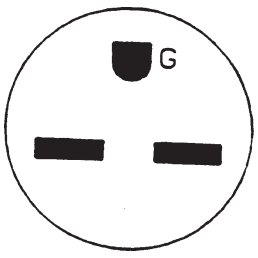
WARNING: APPLIANCES EQUIPPED WITH A FLEXIBLE ELECTRIC SUPPLY CORD ARE PROVIDED WITH A THREE PRONG GROUNDING PLUG WHICH MUST BE CONNECTED TO A PROPERLY GROUNDED 6-20R RECEPTACLE FOR SINGLE COOKTOPS AND A 6-30R RECEPTACLE FOR DOUBLE COOKTOPS. IF THE RECEPTACLE IS NOT THE PROPER GROUNDING TYPE, CONTACT AN ELECTRICIAN. DO NOT REMOVE THE GROUNDING PRONG FROM THIS PLUG.

ELECTRICAL DATA

MODEL	V/HZ/PH	AMPS	BREAKER AMPS	PLUG	WIRE 90° C
VI2	208/60/1 220/240/60/1	10.6 9.1/9.1	15 15	6-20P 6-20P	14 14
VI3	208/60/1 220/240/60/1	14.6 12.3/12.5	20 20	6-20P 6-20P	12 14
VI22	208/60/1 220/240/60/1	21.2 18.2/18.2	30 30	6-30P 6-30P	10 10
VI23	208/60/1 220/240/60/1	25.2 21.4/21.6	30 30	6-30P 6-30P	10 10
VI33	208/60/1 220/240/60/1	29.2 24.6/25.0	30 30	6-30P 6-30P	10 10



6-20P

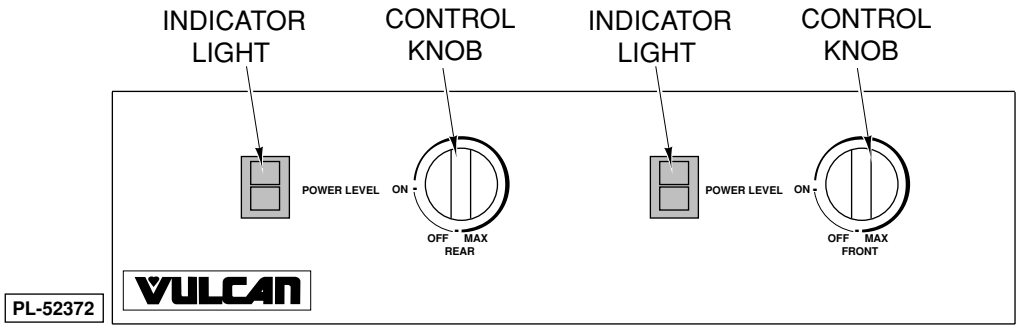


6-30P

OPERATION

WARNING: THE COOKTOP AND ITS PARTS ARE HOT. BE VERY CAREFUL WHEN OPERATING, CLEANING OR SERVICING THE COOKTOP.

CONTROLS (Fig. 2)



MODEL VI22/VI33/VI23

Fig. 2

CONTROL KNOB — Turns cooktop ON to desired cooking level or OFF.

INDICATOR LIGHT — Indicates cooktop status.

USING THE INDUCTION COOKTOPS

1. Turn the cooktop ON by rotating the control knob clockwise to desired cooking level.

2. Cooling fan(s) will come ON.

3. Indicator light will illuminate steadily showing cooking power level.

4. If indicator light is blinking continuously, this means the cooktop is in the Stand By Mode and the cooking pan is not detected. The cooktop will shut OFF after 3 minutes (the cooling fan(s) may continue to run until the cooktop has completely cooled). If the cooktop shuts OFF while in the Stand By Mode, it must be reset. Reset the cooktop by turning the control knob OFF and then ON to the desired cooking level.

5. If the power level indicator light blinks intermittently for 2 or 3 seconds then lights continuously, this is normal operation under high temperature conditions of 380°F (193°C) or higher (i.e. cooking with oil). The cooktop is cycling between ON and Stand By to maintain the operating temperature. **If the cooktop is doing this and high temperatures are not being used, refer to the Troubleshooting Guide in this manual.**

6. Turn the control knob OFF when cooking is finished. Fans may continue to run until the cooktop is completely cooled.

RECOMMENDED PANS (Fig. 3)

This appliance is intended for use with magnetic induction cookware only.

Pans made of cast iron, enameled iron, or stainless steel with an iron inner layer are recommended. Stainless steel pans with 8-10, 18-8, 18-10, and 18-Cr material specification are acceptable if a magnet will attach itself to the pan and if the shape of the pan is acceptable. Pans with a flat bottom 5" to 10½" (127 to 266.7mm) in diameter are recommended. Thin pans may deform during heating; a thicker wall and bottom is recommended. Pans made of 18-8 stainless steel and pans with a smaller diameter bottom may have slower rates of heat transfer.

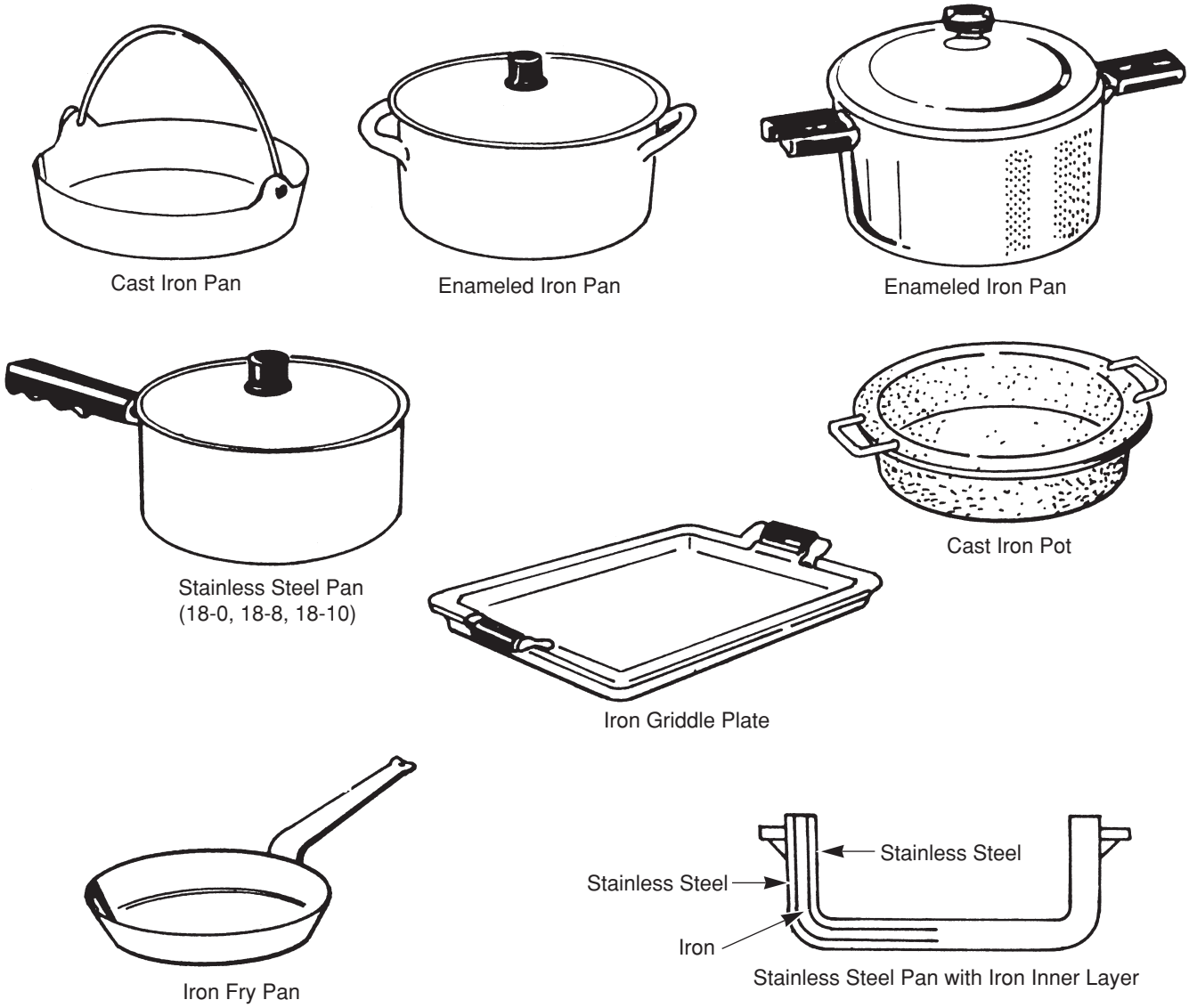


Fig. 3

PL-40552-1

How to Distinguish an Unusable Pan

Put the pan filled with water on the center of the cooktop and turn the control knob to the desired cooking level. The indicator light will light continuously for a usable pan and will blink for an unusable pan.

UNUSABLE PANS (Fig.'s 4 & 5)

- Pans with a smaller bottom diameter or partially contacting bottom are not recommended because heat will not transfer properly through the induction magnetic loop which may damage the induction cooktop.

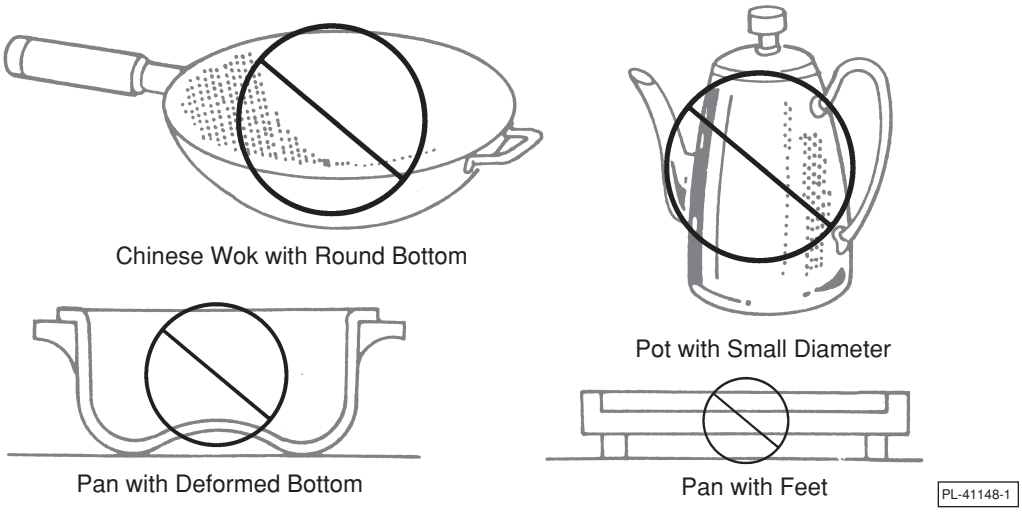


Fig. 4

- Pans made of Porcelain, earthenware, heat-resistant glass, copper, or aluminum are not recommended because they do not transfer heat from the magnetic induction field.

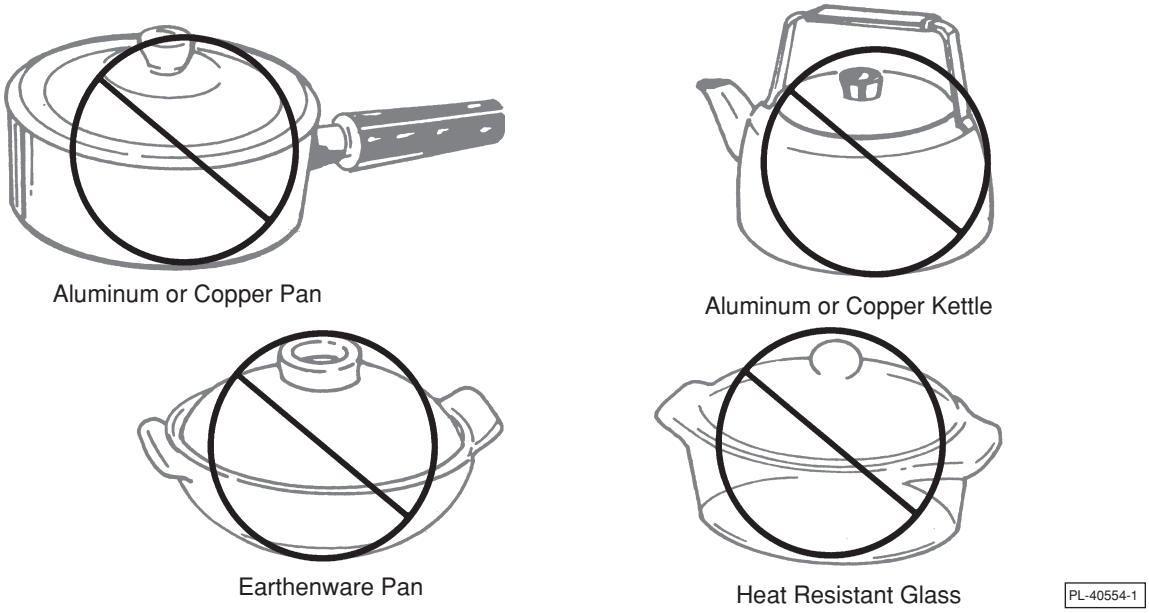


Fig. 5

CLEANING

WARNING: DISCONNECT ELECTRICAL POWER SUPPLY BEFORE CLEANING.

Clean the ceramic cooktop surface by using a cloth moistened in warm water, or a solution of detergent and warm water. For stubborn stains, ScotchBrite or a soft paste of cleanser may be used. Do not use abrasive materials or harsh scouring action because this could damage the surface.

The cooktop is equipped with an air filter to filter grease and dirt and provide proper ventilation.

Clean the air filter once a month. If used in high volume, clean more than once a month. The indicator light may be an indication that the filter needs cleaning (see Troubleshooting Guide below).

Snap out air filter located on the bottom of the cooktop and wash it in a sink in a solution of soap and water. Rinse the filter thoroughly and replace the filter when it is completely dry.

Do not use the induction cooktop without the air filter.

SERVICE AND PARTS INFORMATION

To obtain service and parts information concerning this cooktop, contact the Vulcan-Hart Service Agency in your area (refer to listing supplied with the cooktop), or Vulcan-Hart Company Service Department at the address or phone number shown on the front cover of this manual.

TROUBLESHOOTING GUIDE

If the POSSIBLE CAUSE does not solve the problem, call your local Vulcan-Hart servicer.

PROBLEM	POSSIBLE CAUSE
Indicator light blinks then goes off after 2-3 minutes. This is normal if there is no pan on the cooktop.	Reset cooktop by turning the control knob OFF, then ON to desired cooking level.
Indicator light blinks intermittently and turns back ON, cooks when light is not blinking. **This symptom may be a normal condition if you are cooking at a high temperature for a long period of time, such as with oil.**	1. Air filters are dirty. 2. Air flow is blocked. 3. Ambient temperature too high. 4. Cooling fans not operating.
Reduced heat.	1. Incorrect pan being used. 2. Incorrect voltage. 3. Incorrect power out adjustment.
No heating; indicator light is OFF.	1. Incorrect pan being used.
Cooktop will not operate; indicator light is OFF.	1. Line voltage noise. Disconnect power cord, then reconnect power cord and turn unit ON. 2. Supply circuit breaker tripped. 3. Fuse blown (call your local Vulcan-Hart servicer).
Cooktop will not operate; indicator light is ON.	Call your local Vulcan-Hart servicer.
With no pan on cooker, indicator light is continuously ON.	Call your local Vulcan-Hart servicer.
Indicator operates but does not display all digits.	Call your local Vulcan-Hart servicer.
Broken or cracked top glass.	Call your local Vulcan-Hart servicer.